

Docket Number  
TUC920010036US1Application Number  
10/038,163INFORMATION DISCLOSURE CITATION  
IN AN APPLICATIONApplicant  
M. Blaum et al.Filing Date  
January 2, 2002Group Art Unit  
~~2637~~ 2637

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
✓	5	2	9	1	4	9	9	01 Mar 1994	Behrens et al.			
	5	3	4	1	3	8	7	23 Aug 1994	Nguyen			
	5	5	2	1	9	4	5	28 May 1996	Knudson			
	5	6	3	5	9	3	3	06/03/97	Fitzpatrick et al.			
	5	6	6	1	7	6	0	26 Aug 1997	Patapoutian et al.			
	5	7	5	7	2	9	4	05/26/98	Fisher et al.			
	5	7	5	7	8	2	2	26 May 1998	Fisher et al.			
	5	8	3	8	7	3	8	17 Nov 1998	Zook			
	5	8	4	4	5	0	7	12/01/98	Zook			
	5	9	9	9	1	1	0	07 Dec 1999	Blaum et al.			
	6	0	1	8	3	0	4	25 Jan 2000	Bessios			
	6	0	2	1	0	1	1	01 Feb 2000	Behrens et al.			
	6	0	3	2	2	8	4	29 Feb 2000	Bliss			
	6	0	4	6	6	9	1	04/04/00	Aziz et al.			
	6	0	7	2	4	1	0	06/06/00	Kim			
	6	0	9	7	3	2	0	08/01/00	Kuki et al.			
	6	0	9	7	3	2	1	08/01/00	Sayiner			
	6	1	1	5	1	9	8	05 Sep 2000	Reed et al.			
	6	1	1	9	2	6	5	12 Sep 2000	Hara			
	6	1	3	0	6	2	9	10/10/00	Aziz et al.			
	6	1	5	0	9	6	4	11/21/00	McLaughlin			
	6	1	5	7	3	2	5	12/05/00	Kahlman et al.			
	6	1	8	4	8	0	6	02/06/01	Patapoutian et al.			
	6	1	8	5	1	7	5	06 Feb 2001	Zook			
✓	6	4	2	9	9	8	6	08/06/02	Blaum et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO	
✓	0	7	5	1	5	2	2	02 Jan 1997	EP			Full	
✓	0	7	6	4	9	5	0	26 Mar 1997	EP			Full	
✓	10	0	2	7	4	3	3	27 Jan 1998	JP			Abs.	Full

<b>FORM PTO-1449</b> <div style="text-align: center;"> <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>          (Use several sheets if necessary)       </div>										<b>Docket Number</b> TUC920010036US1		<b>Application Number</b> 10/038,163	
										<b>Applicant</b> M. Blaum et al.			
										<b>Filing Date</b> January 2, 2002			

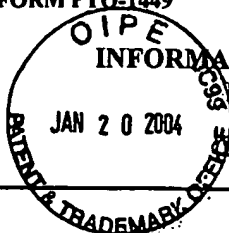
✓	9	4	1	8	6	7	0	18 Aug 1994	PCT		Full	
✓	9	7	0	8	8	3	6	06 Mar 97	PCT		Full	
✓	9	7	1	6	0	1	1	01 May 1997	PCT		Full	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

✓	Fredrickson, L. "Synchronization Sequence Detection Using a Modified Trellis Code Viterbi Detector", <i>IBM Technical Disclosure Bulletin</i> . Vol. 38, No. 6, June 1995. Pp. 145-150.
✓	McLaughlin, S. W., P. Lee, and R. Cloke. "Codes for Improved Timing Recovery in *PR4* and *EPR4* Magnetic Recording", <i>GLOBECOM 97. IEEE Global Telecommunications Conference</i> . Vol. 3, 1997. p. 1235-9. (Abs.)
✓	McLaughlin, S.W., P. Lee, R. Cloke, and B.V. Vasic. "One-Pairs Codes for Partial Response Magnetic Recording", <i>IEEE Transactions on Magnetics</i> , Vol. 35, No. 3, May 1999. Pp. 2080-2086.
✓	U.S. Patent Application Serial No. 10/037753, filed on January 2, 2003, entitled, "Method and Apparatus for Encoding data to Guarantee Isolated Transitions in a Magnetic Recording System", invented by M. Blaum, G.A. Jacquette, B.H. Marcus, and C.M. Mela.

<b>EXAMINER</b> <i>Young S S</i>	<b>DATE CONSIDERED</b> <i>9/16/05</i>
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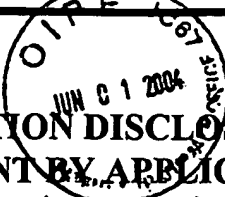
**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

<b>FORM PTO-1449</b>  (Use several sheets if necessary)		Docket Number TUC920010036US1		Application Number 10/038,163								
		Applicant M. Blaum et al.										
		Filing Date January 2, 2002		Group Art Unit <del>2859</del> 2637								
<b>U.S. PATENT DOCUMENTS</b>												
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
7	6	0	1	4	2	7	6	1/11/00	Takase			
7	4	9	3	3	7	8	6	6/12/90	Wilson			
<b>FOREIGN PATENT DOCUMENTS</b>												
	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
7	0	5	1	7	4	8	3	12/9/92	EPC			*
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>												
7	IBM Technical Disclosure Bulletin, "Rate 16/17 (0,6/6) Code." IBM Corp. New York, USA. Vol 31, No. 8, 1989, pp 21-23.											
7	Yasuda, T., et al. "Byte Synchronization System and Method Using an Error-Tolerant Synchronization Pattern for the PR IV Channel." IEEE Transactions on Magnetics, IEEE Inc. New York, USA. Vol. 34, No. 4, Part 1, July 1998 (1998-07), pp 1922-1924.											
7	PCT/EP02/14563, International Search Report mailed 21 August 2003.											
EXAMINER <i>Young SS</i>								DATE CONSIDERED 8/16/05				
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Jan 2004

Form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	10/038,163		
		Filing Date	January 2, 2002		
		First Named Inventor	M. Blaum et al.		
		Art Unit	<del>2634</del> 2637		
		Examiner Name	Stephen Chin <i>Young Tse</i>		
Page	1	of	1	Attorney Docket Number	TUC920010036US1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number- Kind Code (if known)			
		US-			
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		US-			

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FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code- Number- Kind Code				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
<i>7</i>		PCT International Preliminary Examination Report, International Application No. PCT/EP02/14563, March 30, 2004	

Examiner Signature	<i>Young Tse</i>	Date Considered	8/16/05
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